



Sigma Search Lights Limited

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LED Flood Lights Fittings

High performance Flood Lighting Luminaries with 8-32 nos of 5 watt LEDs / 16-32 nos of 10 watt LEDs. 5 watt LEDs produce 130 / 139 lumen/ watt whereas 10 watt LEDs produce 160 lumen / watt. Life span of LEDs is approx 80000 hrs. The fittings are supplied with W / WW optic lenses for uniform distribution.



Type No. 24410
20W Flood Light



Type No. 24415
40W Flood Light



Type No. 24420
60W Flood Light



Type No. 24430/24435
100W/120W Flood Light
with 10 watt LEDs



Type No. 24440/24445
150W/200W Flood Light
with 10 watt LEDs
80/100 watt with 5 watt LEDs

Die cast Aluminum alloy Housing having high conductivity heat sinks, Powder coating in attractive colour with Toughened front Glass in the front fixed to the die cast Aluminum retaining ring which would be fixed to the housing with Neoprene Rubber gasket by means of steel screws to render it dust, water and vermin proof meeting IP 65 classification.

Tough by Nature, Innovative by Design

Specifications for High performance Flood Lighting Luminaries with LED Fittings

S. no	Characteristic	20W	40W	60W	80W/100W	100W/120W	150W/200W
1.	Housing	Die Cast Aluminum alloy Housing having high conductivity heat sinks, Powder coating in attractive colour with Toughened front Glass in the front fixed to the die cast Aluminum frame which would be fixed to the housing with Neoprene Rubber gasket by means of stainless steel screws to render it dust, water and vermin proof.					
2.	Type No.	Sigma Type 24410	Sigma Type 24415	Sigma Type 24420	Sigma Type 24425/31	Sigma Type 24430/35	Sigma Type 24440/45
3.	LED make	CREE	CREE	CREE	CREE	CREE	CREE
4.	No. of LEDS	8 nos of 5W LEDS	16 nos of 5W LEDS	24 nos of 5W LEDS	32 nos of 5W LEDS	16-24 nos of 10W LEDS	32 nos of 10W LEDS
5.	Lumens output	130/139 lm/W at 85° C	130/139 lm/W at 85° C	130/139 lm/W at 85° C	130/139 lm/W at 85° C	160 lm/W at 85° C	160 lm/W at 85° C
6.	Life Span	>80000 Hrs.	>80000 Hrs.	>80000 Hrs.	>80000 Hrs.	>80000 Hrs.	>80000 Hrs.
7.	Luminary efficacy	> 90 lm/W	> 90 lm/W	> 90 lm/W	> 90 lm/W	> 90 lm/W	> 90 lm/W
8.	Color Temperature as required	2700-6500K as required	2700-6500K as required	2700-6500K as required	2700-6500K	6500K	6500K
9.	CRI	70	70	70	70	70	70
10.	Optics	High Quality optics to enhance the performance of the luminaries and to match the required Photometry					
11.	Driver	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement.	Constant Current type. Designed as per luminary requirement.
12.	The voltage variations	110V-270V	110V-270V	110V-270V	110V-270V	110V-270V	110V-270V
13.	Power Factor	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95	> 0.95
14.	Efficiency of	> 85%	> 85%	> 85%	> 85%	> 85%	> 85%
15.	THD (Total Harmonic Distortion)	< 10%	< 10%	< 10%	< 10%	< 10%	< 10%
16.	Classification	IP 65	IP 65	IP 65	IP 65	IP 65	IP 65
17.	Standards	The Luminaires meet the requirements laid down in the latest IS Codes Photometric data can be provided where required					